## **CLAIMS**

What is claimed is:

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chamber.

- In a universal joint assembly having a housing and a universal joint in a
  chamber within the housing, the improvement comprising:
  a diaphragm seal in said housing forming a wall of said chamber,
  said chamber being substantially sealed to exclude entry of foreign elements,
  and
  said diaphragm seal being flexible to allow for expansion and contraction of
  said chamber to prevent any substantial increase or decrease in the pressure within the
- In the universal joint of claim 1, wherein said diaphragm seal separates
  said chamber from a vent space, and further including a vent hole from said vent space.
  - 3. In the universal joint of claim 1, wherein said diaphragm seal includes a sinuous sheet of flexible material.
  - 4. In the universal joint of claim 1, wherein said diaphragm seal includes a flexible sheet having a plurality of concentric annular, circular portions of progressively increasing radius measured from a centerpoint of the sheet, alternate circular portions having a generally U-shaped cross-section opening toward chamber and the remaining circular portions having a generally U-shaped cross-section opening away from said chamber.

- 5. In the universal joint of Claim 4, wherein said diaphragm seal separates said chamber from a vent space, and further including a vent hole from said vent space.
- 1 6. In the universal joint of claim 5, wherein said flexible sheet is made of an elastomeric material.
- 7. In the universal joint of claim 1, wherein said diaphragm seal includes a flat sheet of flexible, stretchable elastomeric material.
- 1 8. In the universal joint of claim 7, wherein said diaphragm seal separates 2 said chamber from a vent space, and further including a vent hole from said vent space.